

## ABSTRACT OF THE DISCLOSURE

A belt rotates and carries a plurality of images. A scale is provided along at least one side of entire of the belt. A sensor reads the scale on the belt to obtain scale information. An actual speed  
5 calculating unit calculates a speed of the belt from the scale information. A control unit provides a control to correct speed of the belt according to the speed calculated. The control unit includes a frequency-correcting unit that performs correction of only a frequency component that is fluctuating of low frequency that is smaller than a  
10 predetermined frequency that is developed due to a change in a speed of the belt, from among speed fluctuations of the belt to adjust the speed of the belt to a predetermined target speed.